

To: **GOWG**  
Subject: **Meeting Minutes**  
Date: **April 8, 2004**  
Location: **GSFC Room N220, Bldg 12**  
**Dial in info:**  
Number: **866-836-1481**  
Passcode: **205535**

Next Meeting: April 15, 2004 at 2:00 pm

**Agenda:**

- Review of last weeks minutes – accepted
- Review of Ross's "Data Rate and Volume" Spreadsheet (awaiting GBM confirmation)
  - Looks like not counting fraction of housekeeping that goes into Level 1 data.
  - 53 kbps is the expected data rate not the maximum transfer rate.
  - Ross will send to Howard to review link rates and assumptions.
  - Robin and Bill will look into using the FITS standard.
- ICD Review Status, Ops Data Product, Science Data Product, FDF to MOC, Observatory to Ground, Database DFCD.
  - John Nagy sent out latest Ops Data Products ICD. Still has TBDs.
  - Observatory to Ground is in the signature cycle.
  - Erik is still reviewing the Database DFCD.
  - Ernest will put together a database validation summary.
- Procs – John Nagy would like IOTs and Spectrum to begin estimating how many will be needed
  - Spacecraft
    - Routine
    - Commissioning
    - Contingency
  - Instrument
    - Routine
    - Commissioning
    - Contingency
  - Mark Davis has put together a preliminary list of Contingency procs for CDR. These are based on Swift experience.
  - Project wants MTS to be able to validate any procs vs using the Hot Bench.
    - This is a change in philosophy – now verify on MTS before sending to s/c vs previously verify on Hot Bench before sending to s/c.
    - The MTS requirements and desires are being updated and should be available after spacecraft CDR.
    - MTS will now have two drops 1 drop at L-17 months for ETE testing 2 drop at L-12 months

- Ops Data Product ICD – John Nagy
  - TBDs are mostly data format issues.
  - Mission planning group meeting have started and are working these issues.
- Database Limits definition – John Nagy (see attachment)
  - Looking for a general agreement for philosophy on setting limits.
  - Systems team has defined Yellow and Red limits as:
    - Yellow – requires immediate notification but does not require action.
    - Red – requires immediate action.
  - Tim Morse has reserved 6 RTSSs to be used by the instruments.
  - Where are limits derived from? Thermal Vac, Qualification.
- Ground System Test Plan – Bruce Wagner
  - Need to review Ops Data Products to update Test Plan Summary.
  - Anticipate another draft version out by end of May.
- Status of File Transfer Protocol Trade MOC Development
  - Going ahead with using FastCopy.
  - GSSC and IOTs still reviewing FastCopy to ensure it meets their needs.
- Review of AI – Bruce Wagner
  - Due and Overdue Action Item closure
  - Recurring Action Items
  - Action to all GOWG participants to review Action Item list and create a priority listing.
- RFA Closure Status – Dennis Small
  - No update
- Risks – Dave Harmon
  - Risk 2 has been updated in the Risk Log.
  - Risk 3 is still being researched.
    - FOT feels that they can handle as part of their normal design phase.
    - FOT will submit paperwork to suggest closing.
  - 4, 5, 6, & 7 are still being worked
- Schedule for next LAT Ops TIM?
  - Bill Paciasas was planning on going to s/c CDR. No LAT participation.
  - Everyone to suggest Ops TIM topics and what open items they may need to work to closure prior to Peer Reviews and when they may be available (perhaps June).

- Walk-on Topics: GBM GSRD Questions (See Below)
  - Mike Rackley requested that all of the GSRD requirements have traceability so that they are appropriately flowed down to the GBM requirements.

1) GIOC6000 & 6010 specify access to various MOC logs & as-flown timeline. We currently do not flow these down to our requirements. Do we need to do this?

- Bill will add any necessary requirements that address GBM having the ability to access and view any MOC products.

2) GIOC6120 specifies a trend analysis of HK data for the mission lifetime. Again, our requirements do not specify trend analysis, although we define other methods to deal with HK that effectively satisfy this.

- Recommend adding a requirement that will address trending as use derived.

3) We have a requirement that states "The GBM IOC shall coordinate development of contingency procedures with the MOC for rapid and safe handling of instrument anomalies." There is no similar requirement in the GSRD that we can trace this to.

- Recommend making this derived.

4) Based on the original report from the data products working group, we specified that the GIOC use terrestrial time, but the GSRD specifies UTC. I would like some clarification on this, since there is good reason to use terrestrial time in the level-1 data products.

- David Band will need to investigate using UTC versus TT.

MOA – still has TBDs. The TBDs are mostly dealing with L&EO timeline. Ernest will send out.

Topic for next GOWG

Science expedited data set.

End notes -

SLAC and GLAST currently doing some bandwidth testing.

Kevin Grady would like Ground System to open a risk about the SLAC scheduling and staffing issues.